

RECODED SEER PUBLIC ACCESS RECORD DESCRIPTION

CASES DIAGNOSED IN 1973-2000

USER FILE*

Submission: *November 2002*

Follow-up Cutoff Date: *December 31, 2000*

Documentation Version: *April 2003*

Diagnosis Years: *1973-2000*

* This documentation describes the data files in both the 1973_2000.seer9 and 1992_2000.sj_la_ak directories. Refer to individual variable definitions to determine the differences between the directory files.

Cervix in situ cases after 1995 are not included.

COMPUTER RECORD FORMAT

ITEM NAME	ITEM #	POSITIONS	LENGTH
SEER registry	01	01-02	2
Case number	02	03-10	8
Record number	03	11-12	2
Type of reporting source	04	13-13	1
County	05	14-16	3
Place of birth	06	17-19	3
Year of birth	07	20-23	4
Age at diagnosis	08	24-26	3
Race/ethnicity	09	27-28	2
Spanish surname or origin	10	29-29	1
Sex	11	30-30	1
Marital status at diagnosis	12	31-31	1
Sequence number	13	32-33	2
Date of diagnosis	14	34-39	6
Primary site ICD-O-2 (1973+)	15	40-43	4
Laterality	16	44-44	1
Morphology ICD-O-2 (1973+)	17	45-50	6
Diagnostic confirmation	18	51-51	1
Extent of disease (12 digit)	19	52-63	12
Site specific surgery (1983-1997)	20	64-65	2
Reason no surgery	21	66-66	1
Radiation	22	67-67	1
Radiation to Brain and/or CNS	23	68-68	1
Radiation sequence with surgery	24	69-69	1
Vital status recode	25	70-70	1
ICD code - cause of death	26	71-71	1
Cause of death	27	72-75	4
Site recode	28	76-80	5
Race recode A	29	81-81	1
Race recode B	30	82-83	2
Age recode	31	84-85	2
SEER historic stage A	32	86-86	1
SEER modified AJCC stage 3 rd ed (1988+)	33	87-88	2
NHL working formulation	34	89-90	2
Survival time recode	35	91-94	4
Recode ICD-O-2 to 9	36	95-98	4
Site-type edit override	37	99-99	1
Histology edit override	38	100-100	1
Age-site edit override	39	101-101	1
Sequence number - dx conf override	40	102-102	1
Site-type-lat-seq override	41	103-103	1
Surgery- diagnostic conf override	42	104-104	1
Report source sequence override	43	105-105	1
Seq-ill defined site override	44	106-106	1
Leuk-Lymph dx confirmation override	45	107-107	1
AJCC stage 3 rd edition (1988+)	46	108-109	2
Tumor Marker 1	48	112-112	1
Tumor Marker 2	49	113-113	1
Review flag for ICD-O codes	50	114-114	1

COMPUTER RECORD FORMAT

ITEM NAME	ITEM #	POSITIONS	LENGTH
<hr/>			
Site-behavior override	51	115-115	1
Site-EOD-diagnosis date override	52	116-116	1
Site-laterality-EOD override	53	117-117	1
Site-laterality-morphology override	54	118-118	1
Recode ICD-O-2 to ICD-10	55	119-122	4
ICCC site recode	56	123-125	3
SEER modified ICCC site recode	57	126-128	3
Site recode with Kaposi Sarcoma and mesothelioma	58	129-133	5
Race recode Y	59	134-134	1
Race recode Z	60	135-135	1
Origin recode	61	136-136	1
Cause of Death to SEER Site Recode	62	137-141	5
Tumor Marker 3	63	142-142	1
Number of primaries	64	143-144	2
Surgery of Primary Site	65	145-146	2
Scope of Regional Lymph Node Surgery	66	147-147	1
Number of Regional Lymph Nodes Examined	67	148-149	2
Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s)	68	150-150	1
Reconstruction—First Course	69	151-151	1
First malignant primary indicator	70	152-152	1
Site Recode (old 4/2002)	71	153-157	5
Site Recode with Kaposi/Mesoth (old 4/2002)	72	158-162	5

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 01 SEER registry

LENGTH: 2

FIELD DESCRIPTION:

- 01 San Francisco-Oakland SMSA (1973)
- 02 Connecticut (1973)
- 20 Metropolitan Detroit (1973)
- 21 Hawaii (1973)
- 22 Iowa (1973)
- 23 New Mexico (1973)
- 25 Seattle (Puget Sound) (1974)
- 26 Utah (1973)
- 27 Metropolitan Atlanta (1975)
- 29 Alaska*
- 31 San Jose-Monterey*
- 35 Los Angeles*

(Year in parentheses refers to first diagnosis year data reported to SEER.)

*Note: The yr1992_2000.sj_la_ak directory files contain cases for Alaska, San Jose-Monterey and Los Angeles registries beginning in 1992. Cases have been collected by SEER for these registries prior to 1992 but have been excluded from the public-use file.

ITEM NUMBER/NAME: 02 Case number

LENGTH: 8

FIELD DESCRIPTION: All numeric

All records for each person are assigned a unique number by the SEER Registry.
SEER registry and case number are needed to uniquely identify a patient, i.e., case numbers are not unique across registries.

ITEM NUMBER/NAME: 03 Record number

LENGTH: 2

FIELD DESCRIPTION: All numeric

Each record for a person has been assigned a unique number that is independent of the contents of the record.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME:	04	Type of reporting source
LENGTH:	1	
FIELD DESCRIPTION:	1	Hospital inpatient/outpatient or clinic
	3	Laboratory (hospital or private)
	4	Private medical practitioner
	5	Nursing/convalescent home/hospice
	6	Autopsy only (only diagnosis of this primary made at autopsy)
	7	Death certificate only (only report of this primary is from a death certificate)
<hr/>		
ITEM NUMBER/NAME:	05	County
LENGTH:	3	
FIELD DESCRIPTION:	3 digit county code — See http://seer.cancer.gov/manuals/AppendA.pdf for list of valid county codes for each SEER Registry.	
	999 Unknown county	
<hr/>		
ITEM NUMBER/NAME:	06	Place of birth
LENGTH:	3	
FIELD DESCRIPTION:	SEER Place of birth Code — See http://seer.cancer.gov/manuals/AppendB.pdf for list of SEER Place of birth codes and definitions.	
<hr/>		
ITEM NUMBER/NAME:	07	Year of birth
LENGTH:	4	
FIELD DESCRIPTION:	year — 1850 - forward 9999 (unknown year)	
<hr/>		
ITEM NUMBER/NAME:	08	Age at diagnosis
LENGTH:	3	
FIELD DESCRIPTION:	000-130 := actual age in years	

FIELD DESCRIPTIONS

ITEM NUMBER/NAME:	09	Race/ethnicity
LENGTH:	2	
FIELD DESCRIPTION:	01	White
	02	Black
	03	American Indian, Aleutian, or Eskimo
	04	Chinese
	05	Japanese
	06	Filipino
	07	Hawaiian
	08*	Korean
	09*	Asian Indian, Pakistani
	10*	Vietnamese
	11*	Laotian
	12*	Hmong
	13*	Kampuchean
	14***	Thai
	20**	Micronesian, NOS
	21**	Chamorroan
	22**	Guamanian, NOS
	25**	Polynesian, NOS
	26**	Tahitian
	27**	Samoan
	28**	Tongan
	30**	Melanesian, NOS
	31**	Fiji Islander
	32**	New Guinean
	96**	Other Asian, incl. Asian, NOS and Oriental, NOS
	97**	Pacific Islander
	98	Other
	99	Unknown

*Code began to be used for 1988+ diagnoses. For cases prior to 1988 it was only used if the person also had a diagnosis of an independent primary after 1987.

**Code began to be used for 1991+ diagnoses. For cases prior to 1991 it was only used if the person also had a diagnosis of an independent primary after 1990.

***Code began to be used for 1994+ diagnoses. For cases prior to 1994 it was only used if the person had a diagnosis of an independent primary after 1993.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME:	10	Spanish surname or origin
LENGTH:	1	
FIELD DESCRIPTION:	0	Non-Spanish/Non-Hispanic
	1*	Mexican
	2*	Puerto Rican
	3*	Cuban
	4*	South or Central American (except Brazil)
	5*	Other specified Spanish/Hispanic Origin (includes European)
	6	Spanish/Hispanic, NOS (there is evidence other than surname or maiden name that the person is Hispanic, but he/she cannot be assigned to any category of 1-5)
	7**	Spanish Surname Only (only evidence of person's Hispanic origin is surname or maiden name)
	9	Unknown whether Spanish/Hispanic or not

*Code began to be used for 1988+ diagnoses. For cases prior to 1988 it was only used if the person also had a diagnosis of an independent primary after 1987.

**Code began to be used for 1994+ diagnoses. For cases prior to 1994 it was only used if the person also had a diagnosis of an independent primary after 1993.

ITEM NUMBER/NAME:	11	Sex
LENGTH:	1	
FIELD DESCRIPTION:	1	Male
	2	Female

ITEM NUMBER/NAME:	12	Marital status at diagnosis
LENGTH:	1	
FIELD DESCRIPTION:	1	Single (never married)
	2	Married
	3	Separated
	4	Divorced
	5	Widowed
	9	Unknown

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 13 Sequence number

LENGTH: 2

FIELD DESCRIPTION:

00	One primary only
01	First of 2 or more primaries
02	Second of 2 or more primaries
03	Third of 3 or more primaries
04	Fourth of 4 or more primaries
.	
.	
.	
10	Tenth of 10 or more primaries
11	Eleventh of 11 or more primaries
.	
.	
.	
99	Unspecified sequence number

ITEM NUMBER/NAME: 14 Date of diagnosis

LENGTH: 6

FIELD DESCRIPTION: MMYYYY where

1. MM := month — 01-12, 99 (unknown month)
2. YYYY := year — 1973 - forward

ITEM NUMBER/NAME: 15 Primary site ICD-O-2 (1973+)

LENGTH: 4

FIELD DESCRIPTION: All four characters of Topography code (eliminate decimal point) as defined in the Topography Section of the *International Classification of Diseases for Oncology*, Second Edition (ICD-O-2; 1992).

Cases diagnosed 1977-1991 were coded using the *International Classification of Diseases for Oncology*, 1976 Edition (ICD-O-1976). Prior to 1977 diagnoses, cases were coded using the *Manual of Tumor Nomenclature and Coding*, 1968 (MOTNAC).

All cases 1973-1991 were machine converted to ICD-O-2 codes without complete hand review.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 16 Laterality

LENGTH: 1

FIELD DESCRIPTION:

0	Not a paired organ
1	Right: origin of primary
2	Left: origin of primary
3	Only one organ involved, right or left origin unspecified
4	Bilateral involvement, lateral origin unknown: stated to be single primary Both ovaries involved simultaneously, single histology Bilateral retinoblastomas Bilateral Wilms's tumors
9	Paired organ, but no information concerning laterality

See <http://seer.cancer.gov/manuals/primsite.laterality.pdf> for a list of sites for which SEER requires information on laterality.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 17 Morphology ICD-O-2 (1973+)

LENGTH: 6

FIELD DESCRIPTION: Morphology is a six-digit code consisting of three parts:

- A Histologic type (4 digits)
- B Behavior (1 digit)
- C Grading or differentiation; or for lymphomas and leukemias, designation of T-cell, B-cell or null cell (1 digit)

NOTE: ALL CASES DIAGNOSED 1973-91 HAVE BEEN CONVERTED TO THE *INTERNATIONAL CLASSIFICATION OF DISEASES FOR ONCOLOGY*, SECOND EDITION (ICD-O-2, 1992).

The SEER program has used several different, but related, coding systems for morphology over time. One should be extremely careful when doing any analysis of trends related to morphology. It is suggested that these analyses start with diagnoses no earlier than 1977 and that special attention be paid to the changes for 1986-91 cases due to the use of the *International Classification of Disease for Oncology, Field Trial Edition, March 1988* and for 1992+ cases due to the use of ICD-O-2.

Analyses of morphology data are usually limited to microscopically confirmed cases only.

HISTOLOGY CODING

FOR CASES DIAGNOSED 1973-85:

Histologic types are defined in the morphology section of the *International Classification of Diseases for Oncology*, 1976 Edition (ICD-O, 1976). However prior to the introduction of ICD-O, 1976, morphology was coded using the *Manual of Tumor Nomenclature and Coding*, 1968 (MOTNAC). With the introduction of ICD-O, 1976, all cases previously coded using MOTNAC were machine converted without hand review using the conversion table, *Conversion of Morphology Sections (neoplasms) of 1968 Manual of Tumor Nomenclature and Coding (MOTNAC) and 1965 Systematized Nomenclature of Pathology (SNOP) to 1976 International Classification of Diseases for Oncology*, developed by Constance Percy. The morphology codes of ICD-O, 1976, are more specific than those of MOTNAC. Thus, less detailed information on morphology is available for cases diagnosed 1973-76. For example, when using MOTNAC large cell carcinoma is included with carcinoma, not otherwise specified (NOS); when using ICD-O, 1976, large cell carcinoma is a separate entity having its own code. All have been machine converted to ICD-O-2.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 17 Morphology (cont'd)

FIELD DESCRIPTION: **HISTOLOGY CODING** (cont'd)
FOR CASES DIAGNOSED 1973-85:

In addition, the following special morphology codes were used by the SEER Program:

Breast — All years

8522/3	Infiltrating duct carcinoma and lobular carcinoma
8523/3	Infiltrating duct carcinoma and lobular carcinoma in situ
8524/3	Intraductal carcinoma and lobular carcinoma
8522/2	Intraductal carcinoma and lobular carcinoma in situ
8543/3	Paget's disease with intraductal carcinoma

All sites — Introduced for coding in approximately 1982

9616/3	Lennert's lymphoma
9624/3	Malignant lymphoma, large cell, cleaved, diffuse
9634/3	Malignant lymphoma, large cell, non-cleaved, diffuse
9723/3	True histiocytic lymphoma

FOR CASES DIAGNOSED 1986-91:

Histologic types are defined in the morphology section of the *International Classification of Diseases for Oncology, Field Trial Edition, 1986* (ICD-O FT). (This volume is no longer available. It was replaced by the *International Classification of Diseases for Oncology, Field Trial Edition, March 1988* (ICD-O FT 1988). Pages i-vi, 23 of the latter volume list the differences between the two Field Trials, present a summary of the changes to ICD-O, 1976, and define the symbols used in the morphology section. These were converted to ICD-O-2.

FOR CASES DAIGNOSED 1992+:

Histologic types are defined in the morphology section of ICD-O-2. See pages 137+ in ICD-O-2 for additions and changes.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 17 Morphology (cont.)

FIELD DESCRIPTION:

BEHAVIOR

Behavior codes are also defined in ICD-O-2, 1992. Only in situs (/2) and invasives (malignant) (/3) are collected by SEER.

Note: For bladder only, all in situs (/2) are converted to invasives (/3) before inclusion on this file.

Cervix in situ not required after 1995.

GRADE

Grading and differentiation codes of 1-4, 9 are defined in ICD-O-2; 1992. Grade information may be incomplete for cases diagnosed before 1977.

In the early 1980's, additional codes specifying T-cell, B-cell, or null cell involvement in lymphomas and leukemias (histologies M9590-9940) were introduced by the SEER Program. Because the reporting requirements and medical terminology have changed over time, care should be exercised when analyzing this information.

Code

- | | |
|---|--|
| 1 | Grade I; grade i; grade 1; well differentiated; differentiated, NOS |
| 2 | Grade II; grade ii; grade 2; moderately differentiated; moderately well differentiated; intermediate differentiation |
| 3 | Grade III; grade iii; grade 3; poorly differentiated; differentiated |
| 4 | Grade IV; grade iv; grade 4; undifferentiated; anaplastic |
| 5 | T-cell; T-precursor |
| 6 | B-cell; Pre-B; B-Precursor |
| 7 | Null cell; Non T-non B; |
| 8 | N K cell (natural killer cell) |
| 9 | cell type not determined, not stated or not applicable |
-

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 18 Diagnostic confirmation

LENGTH: 1

FIELD DESCRIPTION: Microscopically Confirmed

- 1 Positive histology
- 2 Positive exfoliative cytology, no positive histology
- 4 Positive microscopic confirmation, method not specified

Not Microscopically Confirmed

- 5* Positive laboratory test/marker study
- 6 Direct visualization without microscopic confirmation
- 7 Radiography and other imaging techniques without microscopic confirmation
- 8 Clinical diagnosis only (other than 5, 6, or 7)

Confirmation unknown

- 9 Unknown whether or not microscopically confirmed

*Used for 1988+ diagnoses only; prior to 1988 these cases are included in code '8' (clinical diagnosis only)

ITEM NUMBER/NAME: 19 Extent of Disease (12-digit)

LENGTH: 12

FIELD DESCRIPTION: SSSEELPNEXPE Where

- SSS - size of tumor
- EE - clinical extension of tumor
- L - lymph node involvement
- PN - # of positive nodes examined
- EX - number nodes examined
- PE - pathological extension for 1995+ prostate cases only

See <http://seer.cancer.gov/manuals/EOD10Dig.pub.pdf> for list of valid EOD codes for each site. Coded only for 1988+ cases.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 20 Site specific surgery (1983-1997)

LENGTH: 2

FIELD DESCRIPTION: numeric

The actual coding schemes for individual sites and time periods can be viewed at <http://seer.cancer.gov/manuals/AppendD.pdf>. The discussion below summarizes the information available by site and time period.

This field specifies information on surgery during first course of therapy whether it was cancer-directed or not. (Prior to 1988 SEER did not collect information on surgical procedures if not cancer-directed.) The Reason for No Cancer-directed Surgery field must be used to distinguish among no cancer-directed surgery performed; cancer-directed surgery recommended, unknown if performed; and unknown if cancer-directed surgery performed.

FOR CASES DIAGNOSED 1973-82:

All cases were coded using the following nonspecific scheme:

No Cancer-Directed Surgery/Unknown¹

- 00 No surgical procedure
- 09 Unknown if surgery done

Type of Cancer-Directed Surgery

- 90 Surgery, NOS

¹Code '09' must be used in conjunction with Reason for No Cancer-directed Surgery to distinguish "No cancer directed surgery" from "Unknown if cancer-directed surgery performed" and "Cancer-directed surgery recommended but unknown if given." Code '00' is only used for cases diagnosed only at autopsy.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 20 Site specific surgery (1983-1997) (cont'd)

FIELD DESCRIPTION: FOR CASES DIAGNOSED 1983-87:
Detailed schemes were in place for the following sites:

ICD-O Codes	Primary Site
C16.0-C16.9	Stomach
C18.0-C18.9	Colon
C19.9, C20.9	Rectosigmoid, Rectum
C34.0-C34.9	Bronchus and Lung
C44.0-C44.9	Skin (melanomas only)
C50.0-C50.9	Breast
C53.0-C53.9	Cervix Uteri
C54.0-C54.9	Corpus Uteri
C56.9	Ovary
C61.9	Prostate
C67.0-C67.9	Bladder
C64.9, C65.9, C66.9	Kidney, Renal Pelvis, Ureter

All other sites are coded to the same nonspecific scheme used for 1973-82 cases (above).

FOR CASES DIAGNOSED 1988-1997:

In addition to the above sites detailed schemes for the following sites were put into place:

ICD-O Codes	Primary Site
C00.0-C14.8	Oral Cavity
C25.0-C25.9	Pancreas
C32.0-C32.9	Larynx
C42.2	Spleen
C41.0-C41.9	Connective tissue
C47.0-C47.9, C49.0-C49.9	Bone
C62.0-C62.9	Testis
C73.9	Thyroid
C77.0-C77.9	Lymph nodes

A general scheme was used for all other sites.

FOR CASES DIAGNOSED 1998+:

This field is blank.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME:	21	Reason for no surgery
LENGTH:	1	
FIELD DESCRIPTION:	0	Surgery performed
		<u>No surgery</u>
	1*	Surgery not recommended
	2*	Contraindicated due to other conditions; Autopsy Only case
	6	Unknown reason for no surgery
	7*	Patient or patient's guardian refused
		<u>Unknown if surgery performed</u>
	8	Recommended, unknown if done
	9	Unknown if surgery performed; Death Certificate Only case

*Codes not used prior to 1988. Code `2' used only for Autopsy Only cases prior to 1988

ITEM NUMBER/NAME:	22	Radiation
LENGTH:	1	
FIELD DESCRIPTION:	0	None
	1	Beam radiation
	2	Radioactive implants
	3	Radioisotopes
	4	Combination of 1 with 2 or 3
	5	Radiation, nos--method or source not specified
	6	Other radiation (73-87 cases only)
	7	Refused
	8	Recommended, unknown if administered
	9	Unknown

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 23 Radiation to Brain and/or CNS

LENGTH: 1

FIELD DESCRIPTION:

0	None
1	Radiation
7	Refused
8	Recommended, unknown if administered
9	Unknown

ITEM NUMBER/NAME: 24 Radiation sequence with surgery

LENGTH: 1

FIELD DESCRIPTION:

0	No radiation and/or cancer-directed surgery
2	Radiation prior to surgery
3	Radiation after surgery
4	Radiation before and after surgery
5	Intraoperative radiation
6	Intraoper rad w other rad before/after surg
9	Sequence unknown, but both were given

ITEM NUMBER/NAME: 25 Vital status recode

LENGTH: 1

FIELD DESCRIPTION:

1	Alive
4	Dead

Note: Any patient that dies after the follow-up cut-off date is recoded to alive as of the cut-off date.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 26 ICD code - cause of death

LENGTH: 1

FIELD DESCRIPTION: 0 Patient alive
8 ICDA-8
9 ICD-9
1 ICD-10

Note: Any patient that dies after the follow-up cut-off date is recoded to alive as of the cut-off date.

ITEM NUMBER/NAME: 27 Cause of death

LENGTH: 4

FIELD DESCRIPTION: 0000 Patient alive or died after follow-up cut-off date
7777 State death certificate or listing not available to SEER Registry
7797 State death certificate available, but underlying cause of death not coded
ICDA-8, ICD-9 or ICD-10 code — the following format changes are used by the SEER Program:

1. The decimal point is dropped.
2. If the cause of death code has an optional fifth digit, the fifth digit is dropped.
3. If the cause of death code has only three digits, the code is left-justified and nine-filled.
4. If the cause of death is coded to the supplemental "E" codes, the 'E' is dropped.

For example,

CAUSE OF DEATH	ICD CODE	SEER CODE
Cancer of the thyroid	193	1939
Acute appendicitis with peritonitis	540.0	5400
Adenocarcinoma of stomach	151.9	1519
Fall on ice	E885	8859

ITEM NUMBER/NAME: 28 Site recode

LENGTH: 5

FIELD DESCRIPTION: For publications SEER has defined major site groups based on primary site and morphology. See http://seer.cancer.gov/siterecode/icdo2_d01272003/ for SEER Site Recode Definitions.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 29 Race recode A

LENGTH: 1

FIELD DESCRIPTION: SEER collapses the information available on race for publication. These codes and definitions based on Race/ethnicity are:

- 1 White (Race code 01)
- 2 Black (Race code 02)
- 3 Other (Race code 03-98)
- 9 Unknown (Race code 99)

Note: See population documentation on which race variable to use when merging with different versions of population data.

ITEM NUMBER/NAME: 30 Race recode B

LENGTH: 2

FIELD DESCRIPTION:

- 01 White Non-Hispanic
- 11 White Hispanic
- 02 Black
- 03 American Indian
- 04 Chinese
- 05 Japanese
- 06 Filipino
- 07 Hawaiian
- 08 Other
- 09 Unknown

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 31 Age recode

LENGTH: 2

FIELD DESCRIPTION:

00	Age 00
01	Ages 01-04
02	Ages 05-09
03	Ages 10-14
04	Ages 15-19
05	Ages 20-24
06	Ages 25-29
07	Ages 30-34
08	Ages 35-39
09	Ages 40-44
10	Ages 45-49
11	Ages 50-54
12	Ages 55-59
13	Ages 60-64
14	Ages 65-69
15	Ages 70-74
16	Ages 75-79
17	Ages 80-84
18	Ages 85+

To obtain five-year age groups that correspond to the population data combine codes 00 and 01.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 32 SEER historic stage A

LENGTH: 1

FIELD DESCRIPTION:

0	In situ — A noninvasive neoplasm; a tumor which has not penetrated the basement membrane nor extended beyond the epithelial tissue. Some synonyms are intraepithelial (confined to epithelial tissue), noninvasive and noninfiltrating.
1	Localized — An invasive neoplasm confined entirely to the organ of origin. It may include intraluminal extension where specified. For example for colon, intraluminal extension limited to immediately contiguous segments of the large bowel is localized, if no lymph nodes are involved. Localized may exclude invasion of the serosa because of the poor survival of the patient once the serosa is invaded.
2	Regional — A neoplasm that has extended 1) beyond the limits of the organ of origin directly into surrounding organs or tissues; 2) into regional lymph nodes by way of the lymphatic system; or 3) by a combination of extension and regional lymph nodes.
4	Distant — A neoplasm that has spread to parts of the body remote from the primary tumor either by direct extension or by discontinuous metastasis (e.g., implantation or seeding) to distant organs, tissues, or via the lymphatic system to distant lymph nodes.
8	Localized/Regional - Only used for Prostate cases.
9	Unstaged — Information is not sufficient to assign a stage.

All lymphomas and leukemias are considered unstaged (code `9').

This field is produced by collapsing the detailed extent of disease information collected by SEER. Over time several different extent of disease schemes have been used. Thus caution should be exercised when doing trend analyses with this field. For example for prostate a coding artefact between cases before and after 1983 caused a shift of some cases from localized to unstaged.

Note 1: For bladder only, all cases originally staged as in situ were converted to localized before inclusion on this file.

Note 2: For Prostate cases, there will be no stage values of 1 or 2. All localized or regional cases will be collapsed into value 8.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 33 SEER modified AJCC stage 3rd ed (1988+)

LENGTH: 2

FIELD DESCRIPTION:

00 - In Situ	31 - IIIA
10 - I	32 - IIIB
11 - IA	33 - IIIC
12 - IB	39 - III, NOS
13 - IC	40 - IV
18 - In Situ and I combined for bladder only	41 - IVA
19 - I, NOS	42 - IVB
	49 - IV, NOS
20 - II	88 - Recode scheme not yet available
21 - IIA	90 - Unstaged
22 - IIB	98 - Not applicable
23 - IIC	99 - Error condition
29 - II, NOS	
30 - III	

Coded only for 1988+ cases with the following ICD-O site codes:

Colon	C180:C189
Rectum	C199,C209
Lung and Bronchus	C340:C349
Breast	C500:C509
Cervix	C530:C539
Corpus uteri	C559,C530:C539
Ovary	C569
Vagina	C529
Vulva	C519
Oth fem gen	C510:C512,C589
Prostate	C619
Bladder	C670:C679

For staging criteria refer to [Comparative Staging Guide](#), Volume 1.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 34 Non Hodgkin Lymphoma (NHL) working formulation

LENGTH: 2

FIELD DESCRIPTION:

Low Grade

01 A: Small, lymphocytic

02 B: Follicular, small cleaved

03 C: Follicular, mixed small cleaved and large cell

Intermediate Grade

04 D: Follicular, large cell

05 E: Diffuse, small cleaved

06 F: Diffuse, mixed small and large cell

07 G: Diffuse, large cell

High Grade

08 H: Large cell, immunoblastic

09 I: Lymphoblastic

10 J: Small noncleaved; Burkitt's

13 Unclassified Grade

Diffuse, NOS

Diffuse lymphosarcoma

Microglioma

Nodular, NOS

Mycosis fungoides (Sezary's)

T-cell lymphoma

Other specified Non-Hodgkin lymphoma

99 Not Non-Hodgkin lymphoma

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 35 Survival time recode

LENGTH: 4

FIELD DESCRIPTION: YYMM where

1. YY:= number of completed years
2. MM:= number of completed months

9999 :=unknown — Survival Time Recode cannot be calculated for this case

The Survival Time Recode is calculated using the date of diagnosis and one of the following: date of death, date last known to be alive, or follow-up cutoff date used for this file (see title page for date for this file). Thus a person diagnosed in May 1976 and who died in May 1980 has a Survival Time Recode of 04 years and 00 months.

EXAMPLE:

Assume December 1985 is used as a follow-up cutoff date, then:

1. If a person was known to be alive in April of 1986, December 1985 is used to compute Survival Time Recode.
 2. A person known to have died in May 1987 is considered alive and Survival Time Recode computed using December 1985 as date of last contact.
 3. If the last information on a person is that s/he was alive in April 1980, then April 1980 is used.
-

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 36 Recode ICD-O-2 to 9

LENGTH: 4

FIELD DESCRIPTION: The primary site and morphology as coded in ICD-O-2 are converted to ICD-9 codes using the *Conversion of Malignant Neoplasms by Topography and Morphology from the International Classification of Disease for Oncology, Second Edition (ICD-O-2) to International Classification of Diseases, 9th Revision (ICD-9) and the International Classification of Diseases, 9th Revision, Clinical Modification, Fourth Edition (ICD-9-CM) 4th Ed., 1992* edited by Constance Percy.

ITEM NUMBER/NAME: 37 Site-type edit override

LENGTH:1 1

FIELD DESCRIPTION: blank Not Reviewed
1 Reviewed: The coding of an unusual combination of primary site and histologic type has been reviewed.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 38 Histology edit override

LENGTH: 1

FIELD DESCRIPTION: blank Not Reviewed
1 Unusual Histology behavior combination reviewed.
2 Unusual Diagnostic Confirmation/Behavior combination reviewed.
3 Both scenarios above reviewed.

ITEM NUMBER/NAME: 39 Age-site edit override

LENGTH: 1

FIELD DESCRIPTION: blank Not Reviewed
1 Reviewed

ITEM NUMBER/NAME: 40 Sequence number-dx confirmation override

LENGTH: 1

FIELD DESCRIPTION: blank Not Reviewed
1 Reviewed

ITEM NUMBER/NAME: 41 Site-type-lat-seq override

LENGTH: 1

FIELD DESCRIPTION: blank Not Reviewed
1 Reviewed

ITEM NUMBER/NAME: 42 Surgery -diagnostic conf override

LENGTH: 1

FIELD DESCRIPTION: blank Not Reviewed
1 Reviewed

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 43 Report source sequence override

LENGTH: 1

FIELD DESCRIPTION: blank Not Reviewed
1 Reviewed

ITEM NUMBER/NAME: 44 Seq-ill defined site override

LENGTH: 1

FIELD DESCRIPTION: blank Not Reviewed
1 Reviewed

ITEM NUMBER/NAME: 45 Leuk-Lymph dx confirmation override

LENGTH: 1

FIELD DESCRIPTION: blank Not Reviewed
1 Reviewed

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 46 AJCC Stage 3rd Edition (1988+)

LENGTH: 2

FIELD DESCRIPTION:

00 - In Situ	31 - IIIA
10 - I	32 - IIIB
11 - IA	33 - IIIC
12 - IB	39 - III, NOS
13 - IC	40 - IV
18 - In Situ and I combined for bladder only	41 - IVA
19 - I, NOS	42 - IVB
20 - II	49 - IV, NOS
21 - IIA	88 - Recode scheme not yet available
22 - IIB	90 - Unstaged
23 - IIC	98 - Not applicable
29 - II, NOS	99 - Error condition
30 - III	

Coded only for 1988+ cases with the following ICD-O site codes:

Colon	C180:C189
Rectum	C199,C209
Lung and Bronchus	C340:C349
Breast	C500:C509
Cervix	C530:C539
Corpus uteri	C559,C530:C539
Ovary	C569
Vagina	C529
Vulva	C519
Oth fem gen	C510:C512,C589
Prostate	C619
Bladder	C670:C679

For staging criteria refer to [Comparative Staging Guide](#), Volume 1.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 47 Book 6 SEER summ staging guide (1988+)

LENGTH: 2

FIELD DESCRIPTION:

- 00 In Situ
- 10 Localized
- 11 In Situ and Localized combined for Bladder cases only
- 21 Regional by direct extension
- 22 Regional by nodes
- 23 Regional by nodes and direct extension
- 40 Distant
- 90 Unstaged
- 99 Error

For Staging Criteria refer to Comparative Staging Guide, Volume I.

Note: Care should be used to exclude Lymphomas, Leukemias, Kaposi's sarcoma, Retinoblastoma, Hematopoetic, Reticuloendothelial, Immunnoproliferative, and Myeloproliferative neoplasms.

Note 2: For Breast cases diagnosed 1999, the stage value is blank. An updated EOD scheme is being implemented that will allow accurate coding of stage for 1999+.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 48 Tumor Marker 1

LENGTH: 1

FIELD DESCRIPTION: For Breast Cases (ERA 1990+) and Prostate Cases (PAP 1998+)

- 0 None Done
- 1 Positive
- 2 Negative
- 3 Borderline; undetermined whether positive or negative
- 8 Ordered, but results not in chart
- 9 Unknown or no information

For Testicular Cancer Cases (AFP 1998+)

- 0 None Done (SX)
- 2 Within normal limits (S0)
- 4 Range 1 (S1) <1,000 ng/ml
- 5 Range 2 (S2) 1,000 - 10,000 ng/ml
- 6 Range 3 (S3) >10,000 ng/ml
- 8 Ordered, but results not in chart
- 9 Unknown or no information

For All Other Cases

- 9 Not applicable

All sites except Breast diagnosed 1990-1997 are coded 9.

All sites diagnosed before January 1, 1990 are coded 9.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 49 Tumor Marker 2

LENGTH: 1

FIELD DESCRIPTION: For Breast Cases (PRA 1990+) and Prostate Cases (PSA 1998+)

- 0 None Done
- 1 Positive
- 2 Negative
- 3 Borderline; undetermined whether positive or negative
- 8 Ordered, but results not in chart
- 9 Unknown or no information

For Testicular Cancer (hCG 1998+)

- 0 None Done (SX)
- 2 Within normal limits (S0)
- 4 Range 1 (S1) <5,000 mIU/ml
- 5 Range 2 (S2) 5,000 - 50,000 mIU/ml
- 6 Range 3 (S3) to >50,000 mIU/ml
- 8 Ordered, but results not in chart
- 9 Unknown or no information

For All Other Cases

- 9 Not applicable

All sites except Breast diagnosed 1990-1997 are coded 9.

All sites diagnosed before January 1, 1990 are coded 9.

ITEM NUMBER/NAME: 50 Review flag for ICD-O codes

LENGTH: 1

FIELD DESCRIPTION:

- 0 Primary site and morphology originally coded in ICD-O-2
- 1 Primary site and morphology converted without review
- 2 Primary site converted with review; morphology machine converted without review
- 3 Primary site machine converted without review, morphology converted with review
- 4 Primary site and morphology converted with review

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 51 Site-behavior override
LENGTH: 1
FIELD DESCRIPTION: blank Not Reviewed
1 Reviewed

ITEM NUMBER/NAME: 52 Site-EOD-diagnosis date override
LENGTH: 1
FIELD DESCRIPTION: blank Not Reviewed
1 Reviewed

ITEM NUMBER/NAME: 53 Site-laterality-EOD override
LENGTH: 1
FIELD DESCRIPTION: blankNot Reviewed
1 Reviewed

ITEM NUMBER/NAME: 54 Site-laterality-morphology override
LENGTH: 1
FIELD DESCRIPTION: blankNot Reviewed
1 Reviewed

ITEM NUMBER/NAME: 55 Recode ICD-O-2 to ICD-10
LENGTH: 4
FIELD DESCRIPTION: The primary site and morphology as coded in ICD-O-2 are converted to ICD-10 codes using the *Conversion of Malignant Neoplasms by Topography and Morphology from the International Classification of Disease for Oncology, Second Edition (ICD-O-2) to International Classification of Diseases and Related Health Problems, 10th Revision*, 1998 edited by Constance Percy.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 56 ICCC site recode

LENGTH: 3

FIELD DESCRIPTION: For publications, the International Classification of Childhood Cancer (ICCC) has been defined based on primary site and morphology. See <http://seer.cancer.gov/iccc/iarciccc.html> for ICCC site recode definitions.

ITEM NUMBER/NAME: 57 SEER modified ICCC site recode

LENGTH: 3

FIELD DESCRIPTION: For publications, SEER has modified the International Classification of Childhood Cancer (ICCC). See <http://seer.cancer.gov/iccc/seericcc.html> for SEER modified ICCC site recode definitions.

ITEM NUMBER/NAME: 58 Site recode with Kaposi Sarcoma and mesothelioma

LENGTH: 5

FIELD DESCRIPTION: For publications, SEER has defined major site groups based on primary site and morphology including Kaposi Sarcoma and mesothelioma. See http://seer.cancer.gov/siterecode/icdo2_d01272003 for SEER Site recode with Kaposi Sarcoma and mesothelioma definitions.

ITEM NUMBER/NAME: 59 Race recode Y

LENGTH: 1

FIELD DESCRIPTION:

1	White
2	Black
3	American Indian
4	Asian/Pacific Islander
9	Unknown

Note: See population documentation on which race variable to use when merging with different versions of population data.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 60 Race recode Z

LENGTH: 1

FIELD DESCRIPTION: 1 White
4 Non-White
9 Unknown

Note: See population documentation on which race variable to use when merging with different versions of population data.

ITEM NUMBER/NAME: 61 Origin recode

LENGTH: 1

FIELD DESCRIPTION: 0 Non-Hispanic
1 Hispanic
9 Unknown

Note: See population documentation on which race variable to use when merging with different versions of population data.

ITEM NUMBER/NAME: 62 Cause of Death to SEER Site Recode

LENGTH: 5

FIELD DESCRIPTION: See the following Internet address for specific details:
http://seer.cancer.gov/codecode/1969+_d01272003/index.html

00000=Alive
20010-21040,21050,21060,21071-33010,33040,
34000-37000=All Malignant Cancers
20010-20100=Oral Cavity and Pharynx
20010=Lip
20020=Tongue
20030=Salivary Gland
20040=Floor of Mouth
20050=Gum and Other Mouth
20060=Nasopharynx
20070=Tonsil
20080=Oropharynx
20090=Hypopharynx
20100=Other Oral Cavity and Pharynx
21010-21040,21050,21060,21071-21130= Digestive System
21010=Esophagus
21020=Stomach
21030=Small Intestine
21040,21050=Colon and Rectum
21040=Colon excluding Rectum
21050=Rectum and Rectosigmoid Junction

FIELD DESCRIPTIONS

ITEM NUMBER/NAME:	62 Cause of Death to SEER Site Recode (cont'd)
FIELD DESCRIPTION:	<p>See the following internet address for specific details (cont'd): http://seer.cancer.gov/codrecode/1969+_d01272003/index.html</p> <p>21060=Anus, Anal Canal and Anorectum 21071-21072=Liver and Intrahepatic Bile Duct 21071=Liver 21072=Intrahepatic Bile Duct 21080=Gallbladder 21090=Other Biliary 21100=Pancreas 21110=Retroperitoneum 21120=Peritoneum, Omentum and Mesentery 21130=Other Digestive Organs 22010-22060= Respiratory System 22010=Nose, Nasal Cavity and Middle Ear 22020=Larynx 22030=Lung and Bronchus 22050=Pleura 22060=Trachea, Mediastinum and Other Respiratory Organs 23000=Bones and Joints 24000=Soft Tissue including Heart 25010-25020= Skin excluding Basal and Squamous 25010=Melanomas of the Skin 25020=Other Non-Epithelial Skin 26000=Breast 27010-27070= Female Genital System 27010=Cervix 27020-27030=Corpus and Uterus, NOS 27020=Corpus 27030=Uterus, NOS 27040=Ovary 27050=Vagina 27060=Vulva 27070=Other Female Genital Organs 28010-28040=Male Genital System 28010=Prostate 28020=Testis 28030=Penis 28040=Other Male Genital Organs 29010-29040= Urinary System 29010=Urinary Bladder 29020=Kidney and Renal Pelvis 29030=Ureter 29040=Other Urinary Organs 30000=Eye and Orbit 31010-31040=Brain and Other Nervous System 31010=Brain 31040=Cranial Nerves Other Nervous System 32010-32020= Endocrine System 32010=Thyroid 32020=Other Endocrine including Thymus 33010,33040=Lymphoma 33010=Hodgkin Lymphoma 33040=Non-Hodgkin Lymphoma</p>

FIELD DESCRIPTIONS

ITEM NUMBER/NAME:	62 Cause of Death to SEER Site Recode (cont'd)
FIELD DESCRIPTION:	See the following internet address for specific details (cont'd): http://seer.cancer.gov/codrecode/1969+_d01272003/index.html
	34000=Myeloma
	35011-35043=Leukemia
	35011-35013=Lymphocytic Leukemia
	35011=Acute Lymphocytic Leukemia
	35012=Chronic Lymphocytic Leukemia
	35013=Other Lymphocytic Leukemia
	35021-35023=Myeloid Leukemia
	35021=Acute Myeloid Leukemia
	35022=Chronic Myeloid Leukemia
	35023=Other Myeloid Leukemia
	35031-35033=Monocytic Leukemia
	35031=Acute Monocytic Leukemia
	35032=Chronic Monocytic Leukemia
	35033=Other Monocytic Leukemia
	35041-35043=Other Leukemia
	35041=Other Acute Leukemia
	35042=Other Chronic Leukemia
	35043=Aleukemic, Subleukemic and NOS
	37000=Miscellaneous Malignant Cancer
	38000=In situ, benign or unknown behavior neoplasm
	50000=Tuberculosis
	50010=Syphilis
	50020=Human Immunodeficiency Virus (1987+)
	50030=Septicemia
	50040=Other Infectious and Parasitic Diseases
	50050=Diabetes Mellitus
	50051=Alzheimers (ICD-9 and 10 only)
	50060=Diseases of Heart
	50070=Hypertension without Heart Disease
	50080=Cerebrovascular Diseases
	50090=Atherosclerosis
	50100=Aortic Aneurysm and Dissection
	50110=Other Diseases of Arteries, Arterioles, Capillaries
	50120=Pneumonia and Influenza
	50130=Chronic Obstructive Pulmonary Disease and Allied Cond
	50140=Stomach and Duodenal Ulcers
	50150=Chronic Liver Disease and Cirrhosis
	50160=Nephritis, Nephrotic Syndrome and Nephrosis
	50170=Complications of Pregnancy, Childbirth, Puerperium
	50180=Congenital Anomalies
	50190=Certain Conditions Originating in Perinatal Period
	50200=Symptoms, Signs and Ill-Defined Conditions
	50210=Accidents and Adverse Effects
	50220=Suicide and Self-Inflicted Injury
	50230=Homicide and Legal Intervention
	50300=Other Cause of Death
	41000=State DC not available or state DC available but no COD
	99999=Unknown/missing/invalid COD

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 63 Tumor Marker 3

LENGTH: 1

FIELD DESCRIPTION: For Testis Cases (LDH 1998+)

- 0 None Done (SX)
- 2 Within normal limits (S0)
- 4 Range 1 (S1) <1.5 x upper limit of normal for LDH assay
- 5 Range 2 (S2) 1.5 - 10 x upper limit of normal for LDH assay
- 6 Range 3 (S3) >10 x upper limit of normal for LDH assay
- 8 Ordered, results not in chart
- 9 Unknown or no information

All sites except testis diagnosed 1998+ are coded 9.

All diagnosis before 1998 are coded 9.

ITEM NUMBER/NAME: 64 Number of primaries

LENGTH: 2

FIELD DESCRIPTION: 01-14

Note: Based on the total number of records/tumors in SEER, not necessarily this database file. This value is the same across all records for a person.

ITEM NUMBER/NAME: 65 Surgery of Primary Site

LENGTH: 2

FIELD DESCRIPTION: See <http://seer.cancer.gov/manuals/AppendC.pdf> for a list of valid codes.

ITEM NUMBER/NAME: 66 Scope of Regional Lymph Node Surgery

LENGTH: 1

FIELD DESCRIPTION: See <http://seer.cancer.gov/manuals/AppendC.pdf> for a list of valid codes.

ITEM NUMBER/NAME: 67 Number of Regional Lymph Nodes Examined

LENGTH: 2

FIELD DESCRIPTION: See <http://seer.cancer.gov/manuals/AppendC.pdf> for a list of valid codes.

FIELD DESCRIPTIONS

ITEM NUMBER/NAME: 68 Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s)
LENGTH: 1
FIELD DESCRIPTION: See <http://seer.cancer.gov/manuals/AppendC.pdf> for a list of valid codes.

ITEM NUMBER/NAME: 69 Reconstruction-First Course
LENGTH: 1
FIELD DESCRIPTION: See <http://seer.cancer.gov/manuals/AppendC.pdf> for a list of valid codes.

ITEM NUMBER/NAME: 70 First malignant primary indicator
LENGTH: 1
FIELD DESCRIPTION: 0 = no
1 = yes

Based on all the tumors in SEER.
Tumors not reported to SEER are assumed malignant.

ITEM NUMBER/NAME: 71 Site Recode (old 4/2002)
LENGTH: 5
FIELD DESCRIPTION: Based on ICD-O-2, this variable was used to produce SEER CSR (1973-1999). Recommended variable for reporting based on the SEER Program Public Use Data (1973-1999), Nov 2001 submission. See http://seer.cancer.gov/siterecode/icdo2_d04152002/ for recode definitions.

ITEM NUMBER/NAME: 72 Site Recode with Kaposi/Mesoth (old 4/2002)
LENGTH: 5
FIELD DESCRIPTION: This variable resembles Site Recode (old 4/2002) with the exception that Kaposi Sarcoma and Mesothelioma are defined as separate site groups. See http://seer.cancer.gov/siterecode/icdo2_d04152002/ for recode definitions.
